

# ELK-319PIRC/RF-CPIR-319-NN

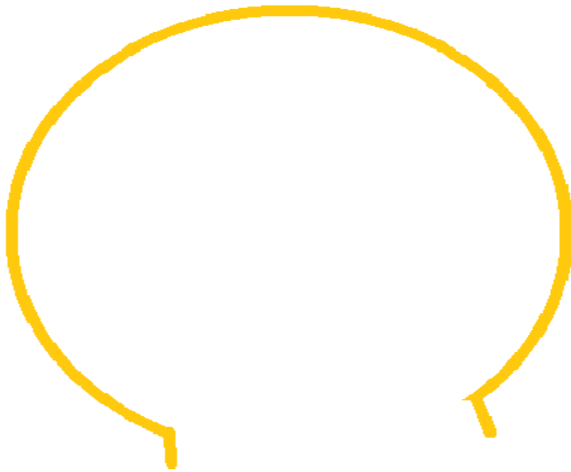
## Antenna info

### Overview:

#### Antenna description:

- The antenna is a piece of wire and used in a monopole arrangement. Antenna is permanently attached to the unit. The antenna does not use reverse polarity connector.

### Antenna Drawing:



### Antenna design:

Occupied Bandwidth: 319.508MHz

Antenna gain  $G_R$ : -28dBi

Rated Power of the radio	13dBm
Reflected power	6.86% (0.86dB)
Mismatch loss	0.31dB
Total loss	1.16dB
Total power deliver to the antenna	11.84dBm
Tune-up tolerance	1.5dB
Antenna Gain	-28dBi

Field Strength = Total deliver to antenna + tune-up tolerance + Antenna gain